

**Study Number:** C91070B

**Test Type:** TOX

**Route:** Oral Gavage

**Species/Strain:** Rat/Harlan Sprague Dawley

**C Number:**

**Study Gender:**

**PWG Approval Date**

**PA48: Summary of Tissue Concentration**

**Test Compound:** Perfluorooctanoic Acid

**CAS Number:** 335-67-1

C91070B

Female

See web page for date of PWG Approval

**Date Report Requested:** 01/17/2019

**Time Report Requested:** 14:33:59

**Lab:** Battelle

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		<b>Female</b>			
<b>Dose (mg/kg/day)</b>	<b>0</b>	<b>6.25</b>	<b>12.5</b>	<b>25</b>	
(mmol/kg/day)	0	0.0151	0.0302	0.0604	
Plasma Concentration (ng/ml)	BD	491 ± 72 (10)	1153 ± 187 (10)	2960 ± 481 (10)	
Plasma Concentration (uM)	BD	1.2 ± 0.2 (10)	2.8 ± 0.5 (10)	7.1 ± 1.2 (10)	
Normalized Plasma Concentration (uM/mmol/kg)		78.5 ± 11.5 (10)	92.2 ± 15.0 (10)	118.4 ± 19.2 (10)	

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	<b>Female</b>			
<b>Dose (mg/kg/day)</b>	<b>50</b>		<b>100</b>	
(mmol/kg/day)	0.121		0.242	
Plasma Concentration (ng/ml)	9326	± 1821 (10)	23444	± 3247 (9)
Plasma Concentration (uM)	22.5	± 4.4 (10)	56.6	± 7.8 (9)
Normalized Plasma Concentration (uM/mmol/kg)	186.5	± 36.4 (10)	234.4	± 32.5 (9)

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LEGEND

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Data are displayed as mean  $\pm$  SEM (N) unless otherwise noted.

SD – Study Day

If over 20% of the animals in a group are above the limit of detection, then 1/2 the limit of detection value is substituted for values that are below the limit of detection.

When the control group did not have over 20% of its values above the limit of detection, no mean or standard error were calculated; no statistical analysis was done for the endpoint.

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests (unless otherwise noted).

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

Values adjusted for molar concentration were calculated by dividing the absolute measurement by the molecular weight of 414.06 g/mol

Normalized values were calculated by dividing the absolute measurement by the dose.

BD - Group did not have over 20% of its values above the limit of detection.

**\*\* END OF REPORT \*\***